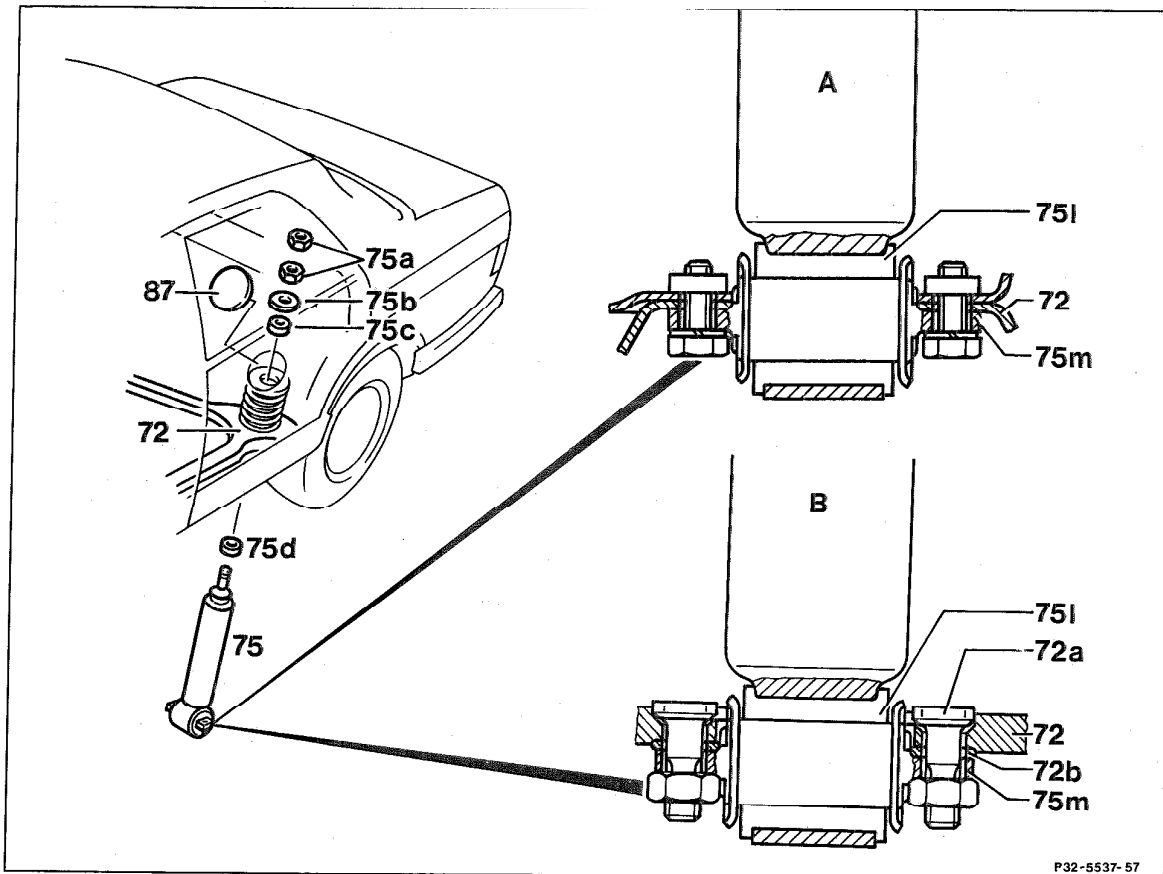


32-110 R and R rear shock absorbers



P32-5537-57

P32-5537-57

- 72 Semi-trailing arm
- 72a Special bolt
- 72b Locating washer
- 75 Shock absorber
- 75a Hex. nut
- 75b Washer
- 75c Top rubber ring
- 75d Bottom rubber ring

- 75l Rubber bushing
- 75m Mounting bracket
- 87 Cover

- A Diagonal swing axle
- B Diagonal swing axle with starting torque compensation

Rear seat and backrest remove, install.
 Cover (87) remove from rear wall, install.

32-110 R and R rear shock absorbers

Hex. nuts (75a) for top mount screw out, screw on (item 7).

⚠ CAUTION!

Do not allow piston rod to turn.
Weight must be present on rear axle (vehicle not jacked up).

Washer (75b) and rubber ring (75c) remove, install.

Vehicle lift at rear, lower.

Hex. head bolts for bottom mount on semi-trailing arm (72) screw out, screw in, 45 Nm.

Note

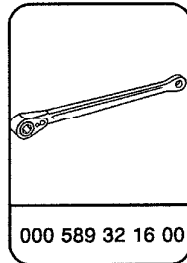
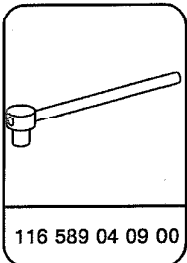
On diagonal swing axles with starting torque compensation screw off hex. nuts, screw on, 70 Nm.

Shock absorber (75) remove downward.

Top shock absorber mount

	Part no.	Height	Outer dia.	Rubber hardness ° shore
Rubber ring top	115 326 16 68	19	40	60 ± 5
bottom	115 326 17 68	25		

Special tools



32-110 R and R rear shock absorbers

Note

The rear shock absorbers serve simultaneously as the extension stop for the rear wheels. For this reason, only release shock absorbers when vehicle is standing on wheels or, if vehicle is jacked up, when semi-trailing arm is supported. When damaged the shock absorbers can be replaced **separately** regardless of the brand. It is only necessary for the shock absorber versions to coincide according to the color code, e.g. 1 blue lengthwise stripe or 1 blue crosswise stripe.

CAUTION!

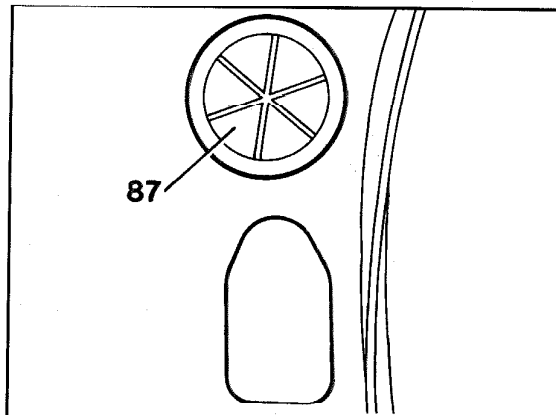
When removing the shock absorber with the vehicle jacked up and load relieved on the semi-trailing arms ensure that the piston rod does not turn while loosening the top mount.

Since the extension stop in the shock absorber is against the operating piston in this state, the connection between the operating piston and piston rod could loosen.

This would result in sudden extension of the piston rod and expulsion of the oil in the shock absorber.

Removal

- 1 Remove rear seat and backrest.
- 2 Remove cover (87) from rear wall.

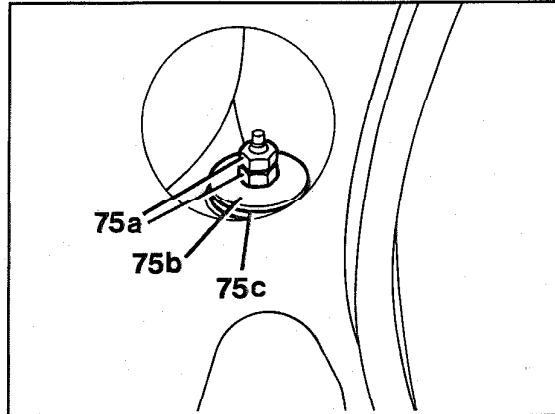


P32-2219-13

32-110 R and R rear shock absorbers

3 Screw hex. nuts off of upper mount and remove washer and rubber ring.

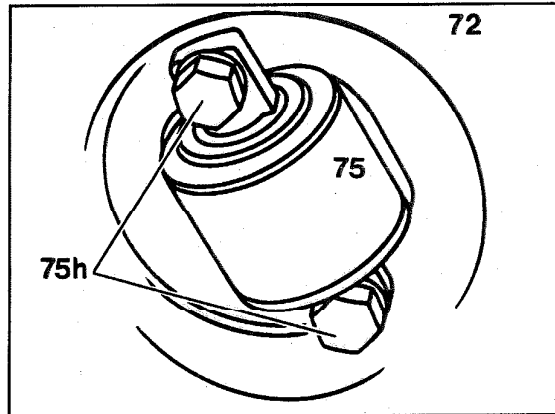
75a Hex. nuts
75b Washer
75c Rubber ring



P32-2220-13

4 Jack up vehicle and screw hex. head bolts (75h) out of bottom mount on semi-trailing arm (72).

75 Shock absorber

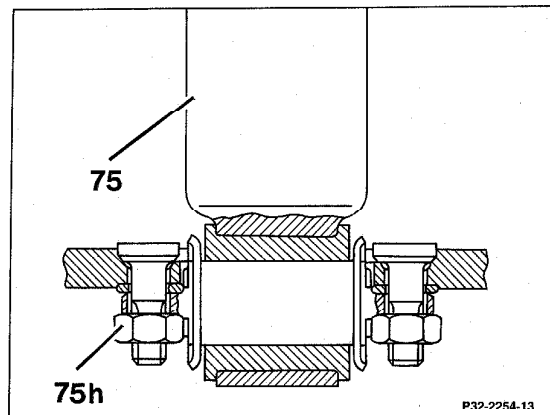


P32-5541-13

On diagonal swing axles with starting torque compensation:
Screw off hex. nuts (75h).

5 Remove shock absorber (75) by pulling out downward.

Bottom mount,
diagonal swing axle with
starting torque
compensation



P32-2254-13

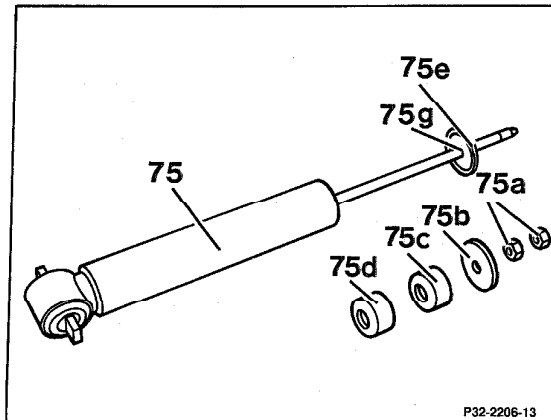
32-110 R and R rear shock absorbers

Installation

6 Check suspension parts.

Note

The mounting bracket for the bottom shock absorber mount must always be seated tightly in the rubber bushing; it must not be possible to turn the rubber bushing in the suspension eye.



P32-2206-13

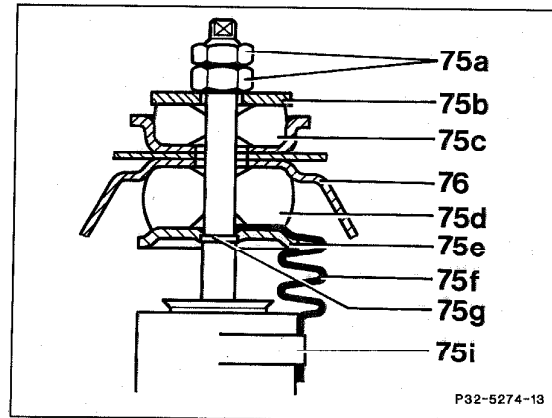
P32-2206-13

- 75 Shock absorber
- 75a Hex. nuts
- 75b Washer
- 75c Top rubber ring
- 75d Bottom rubber ring
- 75e Plate
- 75g Snap ring

7 Position shock absorber and install upper mount. Ensure that parts are seated correctly. Screw the bottom hex. nut down to the end of the threads, then counter with top nut.

Note

The dust protector (75f) is only installed on vehicles for countries with poor road conditions.



P32-5274-13

P32-5274-13

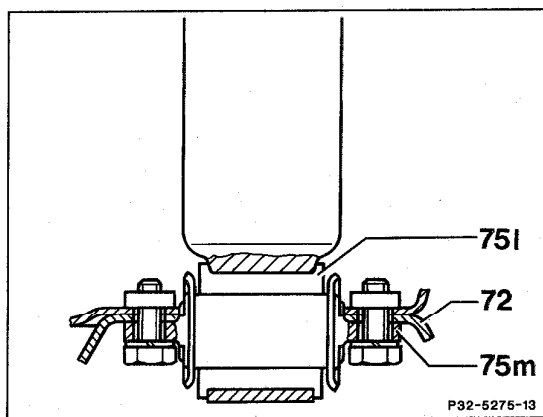
Top mount

- 75a Hex. nuts
- 75b Washer
- 75c Top rubber ring
- 75d Bottom rubber ring
- 75e Plate
- 75f Dust protector
- 75g Snap ring
- 75i Clamping strap
- 76 Dome on frame floor

8 Install bottom mount on semi-trailing arm. When the weight is on the wheels, it is most practical to lower the semi-trailing arm by lifting the vehicle at the rear axle until it is at the same height as the mounting bracket on the shock absorber.

Bottom mount

- 72 Semi-trailing arm
- 75l Rubber bushing
- 75m Mounting bracket



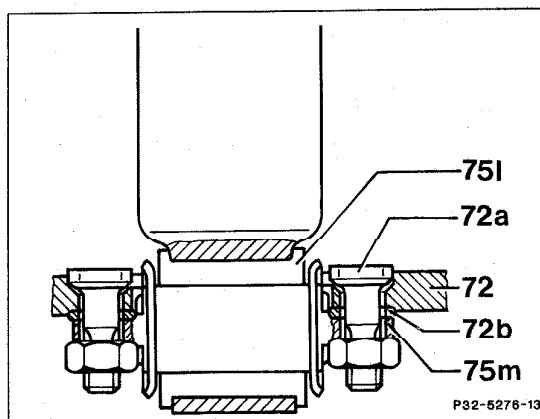
P32-5275-13

Note

On the diagonal swing axle two hex. head bolts are screwed into the semi-trailing arm on the bottom shock absorber mount, 45 Nm.

On the diagonal swing axle with starting torque compensation two special bolts are inserted from above into the anti-squat semi-trailing arm and held in place by one pressed-on locating washer each. Tightening torque for hex. nuts (75h) 70 Nm.

If necessary: Replace special bolts for bottom shock absorber mount in anti-squat semi-trailing arm. For this purpose, knock bolts out upward with suitable punch after removing shock absorbers.

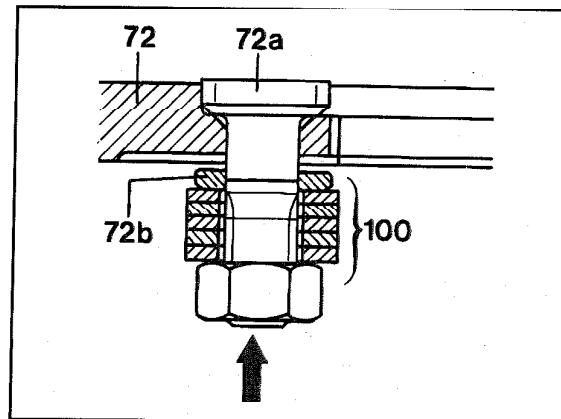


P32-5276-13

- 72 Anti-squat semi-trailing arm
- 72a Special bolt
- 72b Locating washer
- 75l Rubber bushing
- 75m Mounting bracket

32-110 R and R rear shock absorbers

After inserting new special bolts into holes in anti-squat semi-trailing arm press locating washers onto shank of special bolts. For this purpose, position approx. 5 washers with inner diameter of 10.5 mm on top of locating washer and press locating washer onto shank of special bolt by tightening hex. nut.



P32-5277-13

- 72 Anti-squat semi-trailing arm
- 72a Special bolt
- 72b Locating washer
- 100 Washers, inner dia. 10.5

9 Lower vehicle.

10 Install cover (87) in rear wall, install rear seat and backrest.